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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Patent Application of:

Inventor(s): Iwamura
Filed: 9/27/2001
Serial No.: 09/965,045
Confirmation No.: 2623
Art Unit: 2131
Examiner: Unknown
Docket Number: SNY-R4812
Title: PC Card Recorder

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JAN 14 2002

Technology Center 2100

Assistant Commissioner for Patents
Washington, DC 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

The undersigned submits herewith patents, publications or other information (enclosed herewith and listed on the enclosed list of references form) of which he is aware, which he believes is relevant and may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR §1.56. The order of listing of the references on the attached form and any appendix hereto is without regard for relative relevance to the present invention.

This Information Disclosure Statement is submitted:

☒ Under 37 CFR §1.97(b).

(Within three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)

☐ Under 37 CFR §1.97(c).☐ Below is a statement under 37 CFR §1.97(e), or☐ An IDS submission fee under 37 CFR §1.17(p).

(After the CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first. Either a statement under 37 CFR 1.97(e) or an IDS submission fee is required.)

☐ Under 37 CFR §1.97(d).☐ Below is a statement under 37 CFR §1.97(e), and☐ Applicant(s) hereby petitions under 37 CFR §1.97(d)(2) for consideration of this Information Disclosure Statement, and☐ A petition fee set forth in 37 CFR §1.17(i) is paid as indicated below.

(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

The undersigned hereby certifies under 37 CFR §1.97(e) that:

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, not more than three months prior to the filing of the statement, or
- ☐ No item of information contained in the Information Disclosure Statement -- was cited in a communication from a foreign patent office in a counterpart foreign application, and -- to the knowledge of the undersigned, after making reasonable inquiry, was known to an individual designated in 37 CFR §1.56 (c) more than three months prior to the filing of the Information Disclosure Statement.

A concise explanation of relevance of the items listed on the attached form:

- ☒ Is not required for English language references.
- ☒ Additional information is provided in an appendix to this communication.
- ☐ Appears in the body of the application.
- ☐ Is given for non-English language listed item(s) [Required] and appears in an appendix to this communication.
- ☐ Is in the form of an English language copy of a Search Report (copy attached) from a foreign patent office, issued in a counterpart application which refers to the relevant portions of the references.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR §1.56, this statement does not constitute an admission that any patent, publication or other information referred to therein is "prior art" or "material" to this invention or any application for patent for this invention.


In accordance with 37 CFR §1.97, the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that other information that may be material as defined in 37 CFR §1.56 exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR §1.97 and §1.98 and MPEP §609. The Examiner is requested to fully consider each of these references and acknowledge such consideration by appropriately initialing the attached form and returning a copy to the address below. In addition, the Examiner is requested to conduct a thorough independent search in order to bring the best references available forward in this application.

The fee required for this Information Disclosure Statement is calculated below:

Fee under 37 CFR §1.17(p)	(\$180)	\$
Fee under 37 CFR §1.17(i)	(\$130)	\$
	TOTAL	\$ 0.00

- ☐ A check for the above fees is enclosed.
- ☐ Please the above fees to my credit card. See the enclosed credit card charge authorization form.
- ☒ The commissioner is hereby authorized to charge any additional fees which may be required for this submission, or credit any overpayment to my Deposit Account No. 50-1267.

Respectfully submitted,

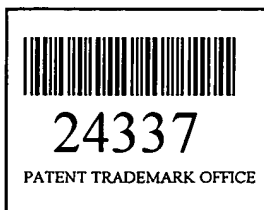

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Dated: October 29, 2001



CERTIFICATE OF MAILING

I hereby certify that this Information Disclosure Statement including associated List of References, Copies of references and fee (if required) is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231 on: 10/29/01.

Jerry A. Miller

Typed or printed name of person signing certificate


Signature

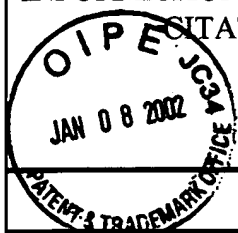
APPENDIX

During the course of preparation of the above patent application, the above representative inquired as to any known relevant art that should be submitted in an Information Disclosure Statement. In addition to the items submitted herewith, the inventor indicated that the references listed as 1-7 constituted useful background information which he had studied. These documents, in general, are technical specifications or text books related to various aspects of television Set-top Boxes, the OpenCable standard, encryption, data compression, PCMCIA, Interfaces, copy protection schemes, etc. In determining how and whether to submit these documents in an IDS, it was quickly determined that the information constituted literally thousands of pages of text. Most of the text is believed irrelevant to the invention and that which is relevant is believed only peripherally relevant, for example, as standards for guidance in implementation. The "OpenCable™ Architecture" excerpt provided herewith is believed to constitute an adequate summary of much of this information which might prove useful for understanding the present invention (and was the only reference used by the above representative in preparation of the application).

In the interest of full disclosure, the above representative wishes to bring this information to the attention of the patent Examiner, even though he has not actually reviewed this information himself. The above representative will gladly obtain copies of any or all of this information if the Examiner wishes to examine it himself. Further information on the availability of this information is supplied below (information believed accurate, but has not been verified by the above representative) in the event the Examiner wishes to inspect it:

1- SCTE-DVS064 Part B, DVS-131-can be downloaded from ftp://ftp.cablelabs.com/pub/scte/dvs/pdf/
2- PC Card Standard 7.4 - can be downloaded from http://www.pc-card.com/
3- PCMCIA System Architecture, Don Anderson, Addison-Wesley Pub., ISBN 0201409917 - text book that can be obtained from the publisher
4- OpenCable HOST-POD Interface Specification - can be downloaded from http://www.scmicrosystems.com/dvb/pod.html
5- OpenCable POD Copy Protection System - can be downloaded from http://www.scmicrosystems.com/dvb/pod.html
6- Applied Cryptography, Bruce Schneier, John Wiley and Sons, ISBN 0-471-11709-9 - text book that can be obtained from the publisher
7- ISO-IEC 13818 International Standard for the Transport of Compressed Digital Media (MPEG) - available from the International Standards Organization

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INFORMATION DISCLOSURE CITATION 			Docket No.: SNY-R4812 Sheet 1 of 1 Serial No. : 09/965,045 Filing Date: 9/27/2001 Group: 2131 Applicant: Iwamura		
U. S. PATENT DOCUMENTS					
Exam. Init.	Document Number	Date	Name	Class	Filing Date
	5,715,354	Feb. 3, 1998	Iwamura		Jul. 11, 1995
FOREIGN PATENT DOCUMENTS					
Exam. Init.	Document Number	Date	Country	Class	Translation
OTHER DOCUMENTS/CITATIONS					
	OpenCable™ Architecture, Michael Adams, Cisco Press, 2000, pp. 380-400				
	SEE APPENDIX FOR NOTES REGARDING THE FOLLOWING:				
	1- SCTE-DVS064 Part B, DVS-131				
	2- PC Card Standard 7.4				
	3- PCMCIA System Architecture, Don Anderson, Addison-Wesley Pub., ISBN 0201409917				
	4- OpenCable HOST-POD Interface Specification				
	5- OpenCable POD Copy Protection System				
	6- Applied Cryptography, Burce Schneier, John Wiley and Sons, ISBN 0-471-11709-9				
	7- ISO-IEC 13818 International Standard for the Transport of Compressed Digital Media (MPEG)				
EXAMINER:			DATE CONSIDERED:		